

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



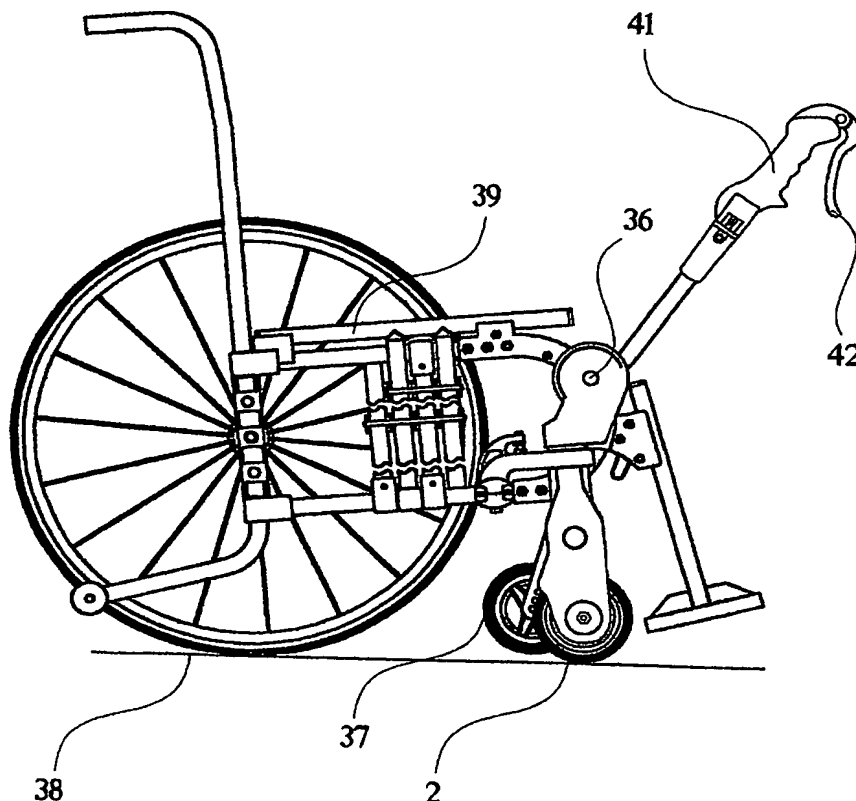
(43) International Publication Date
9 December 2004 (09.12.2004)

PCT

(10) International Publication Number
WO 2004/105672 A1

- (51) International Patent Classification⁷: **A61G 5/02**
- (21) International Application Number: **PCT/SI2003/000018**
- (22) International Filing Date: **30 May 2003 (30.05.2003)**
- (25) Filing Language: **Slovenian**
- (26) Publication Language: **English**
- (71) Applicant (for all designated States except US): **IZUMI, D.O.O. [SI/SI]; Dunajska 404, 1000 Ljubljana (SI).**
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **MARKOVIC, Vladimir [SI/SI]; Glavarjeva 47, 1000 Ljubljana (SI).**
- (74) Agent: **PIPAN, Marjan; Kotnikova 5, 1000 Ljubljana (SI).**
- (81) Designated States (national): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.**
- (84) Designated States (regional): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **SUPPLEMENTARY DRIVING MECHANISM OF THE MUSCLE-DRIVEN VEHICLE FOR ACCELERATED REHABILITATION OF A PARALYZED ARM**



(57) Abstract: The invention involves a supplementary driving mechanism of the muscle-driven vehicle for accelerated rehabilitation of a paralyzed arm, designed for different categories of handicapped persons, primarily those who due to their inability to walk use a wheelchair and have additional troubles with the force of their hands or whose brain has been injured by stroke or mechanical damage and have one arm paralyzed in part or in whole.